

**PAT-NO:** JP02002168194A  
**DOCUMENT-IDENTIFIER:** JP 2002168194 A  
**TITLE:** MULTIBLADE BLOWER  
**PUBN-DATE:** June 14, 2002

**INVENTOR-INFORMATION:**

NAME	COUNTRY
MATSUDA, KENJI	N/A

**ASSIGNEE-INFORMATION:**

NAME	COUNTRY
MITSUBISHI HEAVY IND LTD	N/A

**APPL-NO:** JP2000368038  
**APPL-DATE:** December 4, 2000

**INT-CL (IPC):** F04D029/30 , F04D029/28 , F04D029/66

**ABSTRACT:**

**PROBLEM TO BE SOLVED:** To provide a multiblade blower in use for an air-conditioner, etc., having an impeller for suppressing the occurrence of a peeling vortex in an inlet flow in the impeller and preventing the generation of noises resulting from the peeling vortex.

**SOLUTION:** A plurality of blades are annularly arrayed on a main plate to form the impeller. Each blade has such a sectional shape perpendicular to the rotating axis of the impeller as to be swollen toward the loop sides of the other blades adjacent thereto in a range from the front edge to the rear edge including the maximum warp

position on the back side of the blade. With a swollen portion provided in the longitudinal direction of the blade, an inflow air or the like runs along the swollen portion, and so the occurrence of the peeling vortex is suppressed and the generation of noises resulting from the peeling vortex is prevented.

COPYRIGHT: (C)2002,JPO